

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A transceiver comprising:

a transmission channel condition evaluator for evaluating a transmission channel condition based on a signal received from a transmitter-receiver; and

a modulation method selector for determining a modulation method to be used in transmitting a signal to the transmitter-receiver based on the evaluated transmission channel condition and a difference between transmission power of the transceiver and that of the transmitter-receiver.

2. (Original) The transceiver of claim 1, wherein the modulation method selector determines the modulation method among a plurality of modulation methods that include QPSK (Quadrature Phase Shift Keying), 16QAM (Quadrature Amplitude Modulation) and 64QAM.

3. (Original) The transceiver of claim 1, wherein the modulation method selector determines the modulation method based on transmission power information included in the signal received from the transmitter-receiver, the transmission power information representing a transmission power of the transmitter-receiver.

4. (Original) The transceiver of claim 2, wherein the modulation method selector determines the modulation method based on transmission power information included in the signal received from the transmitter-receiver, the transmission power information representing transmission power of the transmitter-receiver.

5. (Currently Amended) An FWA (Fixed Wireless Access) system with a wireless base station and a plurality of wireless fixed stations, wherein each of the wireless fixed stations includes the transceiver according to claim 1 and said each of the wireless fixed stations communicates with the wireless base station by using the transceiver.

6. (Original) The FWA system of claim 5, wherein the modulation method selector determines the modulation method among a plurality of modulation methods that include QPSK (Quadrature Phase Shift Keying), 16QAM (Quadrature Amplitude Modulation) and 64QAM.

7. (Original) The FWA system of claim 5, wherein the modulation method selector determines the modulation method based on transmission power information included in the signal received from the transmitter-receiver, the transmission power information representing transmission power of the transmitter-receiver.

8. (Original) The FWA system of claim 6, wherein the modulation method selector determines the modulation method based on transmission power information included in the signal received from the transmitter-receiver, the transmission power information representing transmission power of the transmitter-receiver.